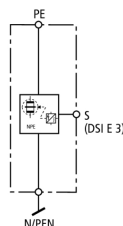


DGPM 1 255 S (900 050)

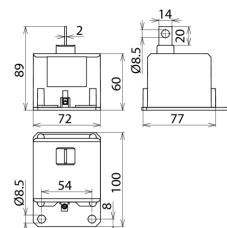
- Discharge capacity up to 100 kA (10/350 μ s)
- Total current arrester specifically designed for installation in "3+1" and "1+1" circuits of TT systems according to IEC 60364-5-53 between neutral conductor N and protective conductor PE
- Creepage discharge spark gap technology



Figure without obligation



Basic circuit diagram DGPM 1 255 S



Dimension drawing DGPM 1 255 S

Coordinated single-pole N-PE lightning current arrester for busbars

Type Part No.	DGPM 1 255 S 900 050
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1/-11	Class I
Max. continuous operating a.c. voltage (U_c)	255 V
Lightning impulse current (10/350 μ s) (I_{imp})	100 kA
Specific energy (W/R)	2.50 MJ/ohms
Nominal discharge current (8/20 μ s) (I_n)	100 kA
Voltage protection level (U_p)	≤ 2.5 kV (including 80 cm connecting cable)
Follow current extinguishing capability a.c. (I_{fi})	100 A _{rms}
Response time (t_A)	≤ 100 ns
Temporary overvoltage (TOV)	1200 V / 200 ms
TOV characteristic	withstand
Operating temperature range (T_U)	-40°C...+80°C
Number of ports	1
For mounting on	N busbars min. 35 mm ²
Connection	via cable lug min. 35 mm ² /max. 50 mm ²
Operating state monitoring	via DEHNSignal DSI E 3
Connection for DSI E 3 (S) min.	1 mm ² solid/flexible
Connection for DSI E 3 (S) max.	2.5 mm ² solid/flexible
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Dimensions (W x H x D)	72 x 89 x 100 mm
Weight	507 g
Customs tariff number	85363010
GTIN	4013364107496
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.